Andrey A Golov

List of Publications by Year in Descending Order

21 papers	348 citations	9 h-index	18 g-index
23 ext. papers	446 ext. citations	4.2 avg, IF	3.9 L-index

#	Paper	IF	Citations
21	Sorption of multivalent cations on titanosilicate obtained from natural raw materials. The mechanism and thermodynamics of sorption. *Microporous and Mesoporous Materials*, **2021**, 311, 110716	5.3	4
20	Expanding the family of mineral-like anhydrous alkali copper sulfate framework structures: new phases, topological analysis and evaluation of ion migration potentialities. *Journal of Applied Crystallography*, **2021**, 54, 237-250	3.8	3
19	Molecular-Level Insight into the Interfacial Reactivity and Ionic Conductivity of a Li-Argyrodite LiPSCl Solid Electrolyte at Bare and Coated Li-Metal Anodes. *ACS Applied Materials & Interfaces* , **2021**, 13, 43734-43745	9.5	1
18	High-throughput systematic topological generation of low-energy carbon allotropes. *Npj Computational Materials*, **2021**, 7,	10.9	5
17	Perceiving Zeolite Self-Assembly: A Combined Top-Down and Bottom-Up Approach within the Tiling Model. *Journal of Physical Chemistry C*, **2020**, 124, 1523-1528	3.8	3
16	Topology versus porosity: what can reticular chemistry tell us about free space in metal-organic frameworks?. *Chemical Communications*, **2020**, 56, 9616-9619	5.8	21
15	Combined DFT and geometrical□topological analysis of Li-ion conductivity in complex hydrides. *Inorganic Chemistry Frontiers*, **2020**, 7, 3115-3125	6.8	7
14	A New sp2□sp3-Hybridized Metallic Carbon Network for Lithium-Ion Battery Anode with Enhanced Safety and Lithium-Ion Diffusion Rate. *Journal of Physical Chemistry C*, **2019**, 123, 15412-15418	3.8	10
13	A combined DFT/topological analysis approach for modeling disordered solid electrolytes. *EPJ Web of Conferences*, **2019**, 201, 02005	0.3	1
12	Network topological model of reconstructive solid-state transformations. *Scientific Reports*, **2019**, 9, 6007	4.9	16
11	Topological analysis of procrystal electron densities as a tool for computational modeling of solid electrolytes: A case study of known and promising potassium conductors **2019**,		2
10	Ionic Transport in Doped Solid Electrolytes by Means of DFT Modeling and ML Approaches: A Case Study of Ti-Doped KFeO2. *Journal of Physical Chemistry C*, **2019**, 123, 29533-29542	3.8	7
9	Natural tilings and free space in zeolites: models, statistics, correlations, prediction. *Zeitschrift Fur Kristallographie - Crystalline Materials*, **2019**, 234, 421-436	1	10
8	Space filling of permethylated □-cyclodextrin by volatile hydrophobic and hydrophilic guests in polyethylene glycol. *Journal of the Chinese Chemical Society*, **2019**, 66, 157-163	1.5	2
7	Studying the Sorption of Certain Benzimidazoles on Octadecyl Silica Gel from Water–Acetonitrile Solutions via Liquid Chromatography. *Russian Journal of Physical Chemistry A*, **2018**, 92, 1572-1582	0.7	2
6	D-carbon: study of a novel carbon allotrope. *Journal of Chemical Physics*, **2018**, 149, 114702	3.9	25
5	High-throughput search for potential potassium ion conductors: A combination of geometrical-topological and density functional theory approaches. *Solid State Ionics*, **2018**, 326, 188-199	3.3	29

List of Publications

4	Homo Citans und Kohlenstoffallotrope: F□eine Ethik des Zitierens. *Angewandte Chemie*, **2016**, 128, 11122-11139	3.6	14
3	Homo Citans and Carbon Allotropes: For an Ethics of Citation. *Angewandte Chemie - International Edition*, **2016**, 55, 10962-76	16.4	172
2	Combinatorial-topological modeling of the cluster self-assembly of zeolite crystal structures: computer search for molecular templates for new zeolite ISC-2. *Russian Chemical Bulletin*, **2016**, 65, 29-39	1.7	2
1	Acid-Driven Dimensionality Control of Cd(II) Complexes: From Discrete Double Open Cubane to One- and Three-Dimensional Networks. *Crystal Growth and Design*, **2014**, 14, 4124-4137	3.5	11